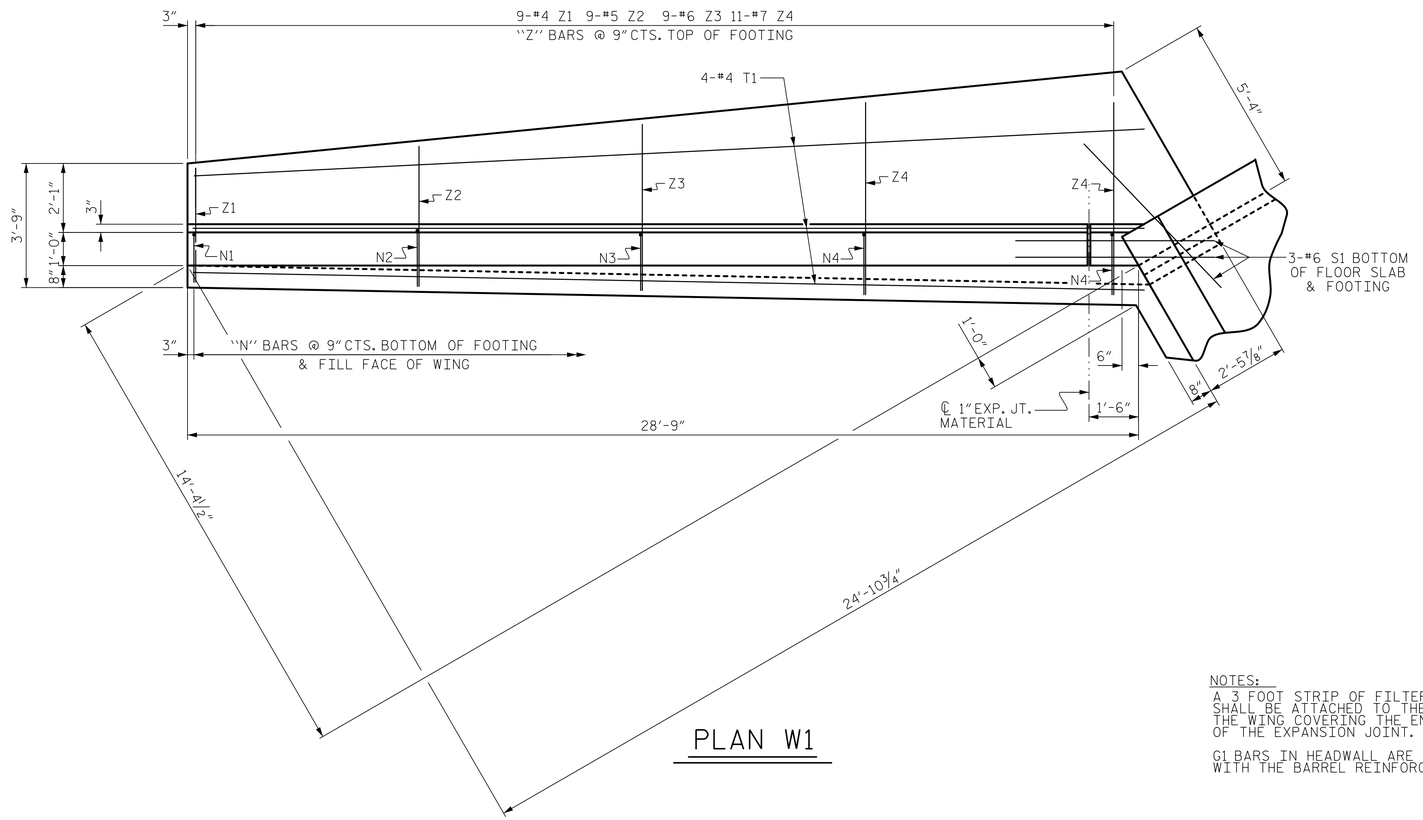


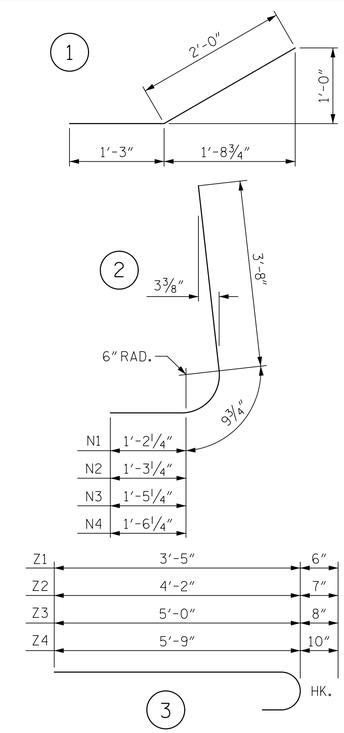
PLAN W1

NOTES:

A 3 FOOT STRIP OF FILTER FABRIC SHALL BE ATTACHED TO THE FILL FACE OF THE WING COVERING THE ENTIRE LENGTH OF THE EXPANSION JOINT.

G1 BARS IN HEADWALL ARE INCLUDED WITH THE BARREL REINFORCING STEEL.

BAR TYPES



ALL BAR DIMENSIONS ARE OUT TO OUT.

BILL OF MATERIAL

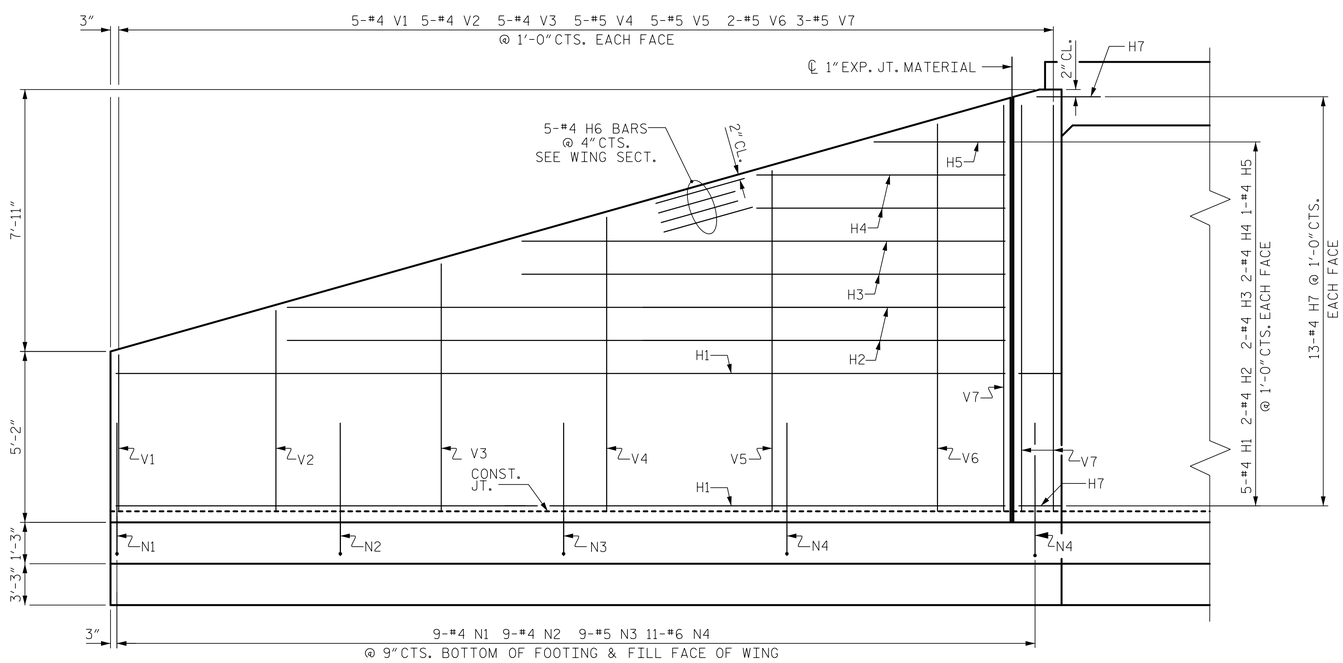
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT
H1	30	#4	STR	26'-10"	538
H2	12	#4	STR	21'-8"	174
H3	12	#4	STR	14'-7"	117
H4	12	#4	STR	7'-6"	60
H5	6	#4	STR	3'-11"	16
H6	15	#4	STR	27'-10"	279
H7	78	#4	1	3'-3"	169
N1	27	#4	2	5'-8"	102
N2	27	#4	2	5'-9"	104
N3	27	#5	2	5'-11"	167
N4	33	#6	2	6'-0"	297
S1	9	#6	STR	6'-0"	81
T1	12	#4	STR	28'-9"	230
V1	30	#4	STR	4'-8"	93
V2	30	#4	STR	6'-0"	120
V3	30	#4	STR	7'-5"	148
V4	30	#5	STR	8'-10"	276
V5	30	#5	STR	10'-3"	321
V6	12	#5	STR	11'-6"	144
V7	18	#5	STR	12'-1"	227
Z1	27	#4	3	3'-11"	71
Z2	27	#5	3	4'-9"	134
Z3	27	#6	3	5'-8"	230
Z4	33	#7	3	6'-7"	444

REINFORCING STEEL FOR 3 WINGS 4542 LBS

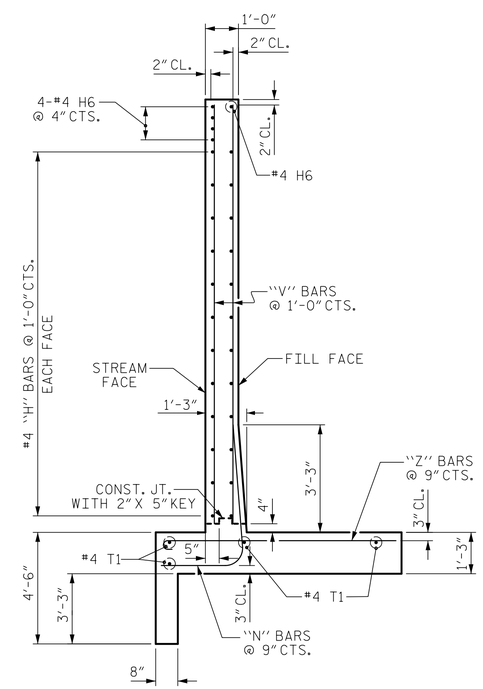
CLASS A CONCRETE

STAGE I
- 1 WING 19.7 CY
- 1 HEADWALL 1.8 CY
- 1 END CURTAIN WALL 3.9 CY
- TOTAL 25.4 CY

STAGE III
- 2 WINGS 39.4 CY
- 1 HEADWALL 1.8 CY
- 1 END CURTAIN WALL 3.9 CY
- TOTAL 45.1 CY



ELEVATION W1



TYPICAL WING SECTION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
706 HILLSBOROUGH STREET
SUITE 200
RALEIGH, NC 27603
PH (919) 773-8887
CORP. LICENSE NO.: C-0275

PROJECT NO. I-5987A

ROBESON COUNTY

STATION: 310+73.00 -L-

SHEET 13 OF 14

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

WING 1 FOR CONCRETE BOX CULVERT

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	C11-13
1			3			TOTAL SHEETS
2			4			14

DRAWN BY : ZCS DATE : 10/21
CHECKED BY : MGC DATE : 1/22
DESIGN ENGINEER OF RECORD: ZCS DATE : 1/22

FILE NAME: 413_025_I-5987A_Site_11_SMU_CU_013.dgn

SITE 11